IN THE CLAIMS

Please amend claims 89, 91, 93, and 96 as follows below.

This listing of claims will replace all prior versions, and listings, of claims in the application:

MARKED UP VERSION OF CLAIMS

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1. (Original) A fiber optic module for coupling photons between optoelectronic devices and optical fibers, the fiber optic module comprising:

a base;

a first horizontal printed circuit board (PCB) arranged horizontally with the base and parallel to a first optical axis of a first optoelectronic device, the first optoelectronic device having terminals coupled to the first horizontal printed circuit board; and

a second vertical printed circuit board (PCB) arranged at a perpendicular angle with the base and parallel to a second optical axis of a second optoelectronic device, the second optoelectronic device having terminals coupled to the second vertical printed circuit board.

A2

2. (Original) The fiber optic module of claim 1 further comprising:

a housing coupled to the base.

3. (Original) The fiber optic module of claim 2 wherein,

the housing is a shielded housing to encase the first and second printed circuit boards to reduce electromagnetic interference (EMI).

4. (Original) The fiber optic module of claim 3 wherein,

the housing has an inner septum to separate the fiber optic module into a first side and a second side and the inner septum is a conductive shield to reduce crosstalk electromagnetic radiation.

5. (Original) The fiber optic module of claim 1 wherein,

the base has a first and second opening;

the first horizontal printed circuit board has a plurality of pins extending through the first opening in the base to couple to a host printed circuit board; and

the second vertical printed circuit board has a plurality of pins extending through the second opening in the base to couple to the host printed circuit board.

6. (Original) The fiber optic module of claim 5 wherein,

the first and second opening in the base are a plurality of pin holes in the base.

7. (Original) The fiber optic module of claim 5 wherein,

the first and second opening in the base are a first and

second cutout in the base.

8. (Original) The fiber optic module of claim 1 wherein, the first horizontal and second vertical printed circuit boards further comprises:

electrical components coupled between the first optoelectronic device and the plurality of pins of the first printed circuit board and between the second optoelectronic device and the plurality of pins of the second printed circuit board, the electrical components for controlling the first and second optoelectronic devices.

A2 Cont

9. (Original) The fiber optic module of claim 1 wherein, the first horizontal printed circuit board further comprises:

a ground plane to reduce electro-magnetic fields generated by the electrical components.

10. (Original) The fiber optic module of claim 1 wherein, the second vertical printed circuit board further comprises:

a ground plane to reduce electro-magnetic fields generated by the electrical components.

11. (Original) The fiber optic module of claim 1

further comprising:

a first optical block coupled to the first optoelectronic device, the first optical block having a first opening to receive the first optoelectronic device, and

a first lens to couple photons between the first optoelectronic device and an optical fiber.

12. (Original) The fiber optic module of claim 11 further comprising:

a nose coupled to the base, the nose to receive an optical fiber connector and to hold an optical fiber substantially fixed and aligned with an optical opening of the optical block.

A2 cont'

13. (Original) The fiber optic module of claim 12 further comprising:

a nose shield surrounding the nose to reduce electromagnetic interference.

14. (Original) The fiber optic module of claim 1 further comprising:

a second optical block coupled to the second optoelectronic device, the second optical block having

a second opening to receive the second optoelectronic device, and

a second lens to couple photons between the second optoelectronic device and an optical fiber.

15. (Original) The fiber optic module of claim 11 further comprising:

a second optical block coupled to the second optoelectronic device, the second optical block having

a second opening to receive the second optoelectronic device, and

a second lens to couple photons between the second optoelectronic device and an optical fiber.

16. (Original) The fiber optic module of claim 1 further comprising:

an optical block coupled to the first and second optoelectronic devices, the optical block having

first and second openings to receive the first and second optoelectronic devices,

a first lens to couple photons between the first optoelectronic device and a first optical fiber, and

a second lens to couple photons between the second optoelectronic device and a second optical fiber.

17. (Original) The fiber optic module of claim 16, wherein,

the first lens of the optical block to launch photons into the first optical fiber from the first optoelectronic device.

18. (Original) The fiber optic module of claim 16, wherein,

the second lens of the optical block is a focusing lens to receive photons from the second optical fiber and to couple them to the second optoelectronic device.

19. (Original) The fiber optic module of claim 16 further comprising:

a nose coupled to the base, the nose to receive an optical fiber connector and to hold an optical fiber substantially fixed and aligned with an optical opening of the optical block.

20. (Original) The fiber optic module of claim 19 further comprising:

a nose shield surrounding the nose to reduce electromagnetic interference.

21. (Original) The fiber optic module of claim 13, wherein,

the first optoelectronic device is a photodetector.

22. (Original) The fiber optic module of claim 13, wherein,

the second optoelectronic device is an emitter.

23. (Original) The fiber optic module of claim 22, wherein,

the emitter is a vertical cavity surface emitting laser (VCSEL).

24. (Original) A fiber optic transceiver for coupling photons between optoelectronic devices and optical fibers, the fiber optic transceiver comprising:

a base;

a first vertical printed circuit board (PCB) arranged at a perpendicular angle with the base and parallel to a first optical axis of a first optoelectronic device, the first vertical printed circuit board having a first connecting means to couple to an external printed circuit board, the first optoelectronic device having terminals coupled to the first vertical printed circuit board;

a second slanted printed circuit board (PCB) arranged at an angle with the base and parallel to a second optical axis of a second optoelectronic device, the second slanted printed circuit board having a second connecting means to couple to an external printed circuit board, the second optoelectronic device having terminals coupled to the second slanted printed circuit board;

a housing coupled to the base, the housing to cover the first vertical printed circuit board and the second slanted printed circuit board.

25. (Original) The fiber optic transceiver of claim 24

wherein,

the first vertical printed circuit board further comprises:

first electrical components coupled between the first optoelectronic device and the first connecting means on a first side of the first internal printed circuit board, the first electrical components for controlling the first optoelectronic device, and

a first ground plane coupled to a second side of the first internal printed circuit board to reduce electro-magnetic fields;

and,

the second slanted printed circuit board further comprises:

second electrical components coupled between the second optoelectronic device and the second connecting means on a first side of the second slanted printed circuit board, the second electrical components for controlling the second optoelectronic device.

26. (Original) The fiber optic transceiver of claim 25 wherein,

the second slanted printed circuit board further comprises:

a second ground plane coupled to a second side of the second slanted printed circuit board to reduce electro-magnetic fields.

27. (Original) The fiber optic transceiver of claim 24,

wherein,

the first connecting means and the second connecting means are pins to couple to pin receptacles of the external printed circuit board.

28. (Original) The fiber optic transceiver of claim 24, wherein,

the first connecting means and the second connecting means are connectors to couple into connectors of the external printed circuit board.

a2 cont

29. (Original) The fiber optic transceiver of claim 24 further comprising:

an optical block coupled to the first optoelectronic device and the second optoelectronic device, the optical block having a first lens to couple photons between the first optoelectronic device and a first optical fiber and a second lens to couple photons between the second optoelectronic device and a second optical fiber.

30. (Original) The fiber optic transceiver of claim 24 further comprising:

a first optical block coupled to the first optoelectronic device, the first optical block having a first lens to couple photons between the first optoelectronic device and a first optical fiber, and

a second optical block coupled to the second

optoelectronic device, the second optical block having a second lens to couple photons between the second optoelectronic device and a second optical fiber.

31. (Original) The fiber optic transceiver of claim 24 further comprising:

a nose coupled to the base, the nose for receiving an optical fiber connector and holding a pair of optical fibers substantially fixed and aligned with the first optoelectronic device and the second optoelectronic device.

32. (Original) The fiber optic transceiver of claim 31 further comprising:

a nose shield surrounding the nose to reduce electromagnetic interference.

33. (Original) The fiber optic transceiver of claim 24 further comprising:

an internal shield inserted between the first vertical printed circuit board and the second slanted printed circuit board, the internal shield to reduce electrical crosstalk.

34. (Original) A fiber optic module for coupling photons between optoelectronic devices and optical fibers, the fiber optic module comprising:

a base;

a first slanted printed circuit board (PCB) arranged on a slanted angle with the base and parallel to a first optical

axis of a first optoelectronic device, the first slanted printed circuit board having a ground plane on one side, the first optoelectronic device having terminals coupled to the first slanted printed circuit board;

a second vertical printed circuit board (PCB) arranged at a perpendicular angle with the base and parallel to a second optical axis of a second optoelectronic device, the second optoelectronic device having terminals coupled to the second vertical printed circuit board; and

a housing coupled to the base.

35. (Original) The fiber optic module of claim 34 wherein,

the housing is a shielded housing to encase the first slanted and second vertical printed circuit boards to reduce electromagnetic interference (EMI).

36. (Original) The fiber optic module of claim 34 wherein,

the second vertical printed circuit board has a ground plane on one side.

37. (Original) A fiber optic module for coupling photons between optoelectronic devices and optical fibers, the fiber optic module comprising:

a base;

a first slanted printed circuit board (PCB) arranged on a slanted angle with the base and parallel to a first optical axis of a first optoelectronic device, the first

optoelectronic device having terminals coupled to the first slanted printed circuit board; and

a second slanted printed circuit board (PCB) arranged on a slanted angle with the base and parallel to a second optical axis of a second optoelectronic device, the second slanted printed circuit board having a ground plane on one side, the second optoelectronic device having terminals coupled to the second vertical printed circuit board; and

a housing coupled to the base.

Q2 cont'

38. (Original) The fiber optic module of claim 37 wherein,

the housing is a shielded housing to encase the first and second printed circuit boards to reduce electromagnetic interference (EMI).

39. (Original) The fiber optic module of claim 37 wherein,

the first slanted printed circuit board has a ground plane on one side.

40. (Original) A fiber optic module comprising:

a first optical block having a first opening to receive a first optoelectronic device;

the first optoelectronic device coupled into the first opening;

a second optical block having a second opening to receive a second optoelectronic device;

the second optoelectronic device coupled into the second

opening;

a first printed circuit board coupled to terminals of the first optoelectronic device in parallel with a plane of the first optical block, the first printed circuit board parallel to a first optical axis of the first optoelectronic device; and

a second printed circuit board coupled to terminals of the second optoelectronic device perpendicular with a plane of the second optical block, the second printed circuit board parallel to a second optical axis of the second optoelectronic device.

A2 cont

41. (Original) The fiber optic module of claim 40, wherein the fiber optic module is a fiber optic transceiver and

the first optoelectronic device is a transmitter to couple photons into a first optical fiber, and

the second optoelectronic device is a receiver to receive photons from a second optical fiber.

42. (Original) The fiber optic module of claim 40, wherein the fiber optic module is a fiber optic transceiver and

the first optoelectronic device is a receiver to receive photons from a first optical fiber, and

the second optoelectronic device is a transmitter to couple photons into a second optical fiber.

43. (Original) A fiber optic module comprising:

an optical block having a first opening to receive a first optoelectronic device and a second opening to receive a second optoelectronic device;

the first optoelectronic device coupled into the first opening;

the second optoelectronic device coupled into the second opening;

a base having a first guide rail;

a first vertical printed circuit board coupled to terminals of the first optoelectronic device in parallel to a first optical axis of the first optoelectronic device, the first vertical printed circuit board coupled to the first guide rail of the base perpendicular with the base; and

a second horizontal printed circuit board coupled to terminals of the second optoelectronic device in parallel to a second optical axis of the second optoelectronic device, the second horizontal printed circuit board parallel to the base.

44. (Original) The fiber optic module of claim 43 further comprising:

a housing coupled to the base.

45. (Original) The fiber optic module of claim 44 wherein,

the housing is a shielded housing to encase the first vertical and second horizontal printed circuit boards to reduce electromagnetic interference (EMI).

46. (Original) The fiber optic module of claim 43

wherein,

the base has a pair of cutouts to allow pins of the first vertical printed circuit board and pins of the second horizontal printed circuit board to extend through.

47. (Original) The fiber optic module of claim 43 wherein,

the base has a pair of openings to allow pins of the first vertical printed circuit board and pins of the second horizontal printed circuit board to extend through.

48. (Original) The fiber optic module of claim 43, wherein the fiber optic module is a fiber optic transceiver and

the first optoelectronic device is a transmitter to couple photons into a first optical fiber, and

the second optoelectronic device is a receiver to receive photons from a second optical fiber.

49. (Original) The fiber optic module of claim 43, wherein the fiber optic module is a fiber optic transceiver and

the first optoelectronic device is a receiver to receive photons from a first optical fiber, and

the second optoelectronic device is a transmitter to couple photons into a second optical fiber.

50. (Original) A fiber optic module comprising:

an optical block having a first opening to receive a

first optoelectronic device and a second opening to receive a second optoelectronic device;

the first optoelectronic device coupled into the first opening;

the second optoelectronic device coupled into the second opening;

a base having a pair of brackets on one side;

a first vertical printed circuit board coupled to terminals of the first optoelectronic device in parallel to a first optical axis of the first optoelectronic device, the first vertical printed circuit board coupled to the pair of brackets of the base; and

a second horizontal printed circuit board coupled to terminals of the second optoelectronic device in parallel to a second optical axis of the second optoelectronic device, the second horizontal printed circuit board parallel to the base.

Q2 cont'

51. (Original) The fiber optic module of claim 50 further comprising:

a housing coupled to the base.

52. (Original) The fiber optic module of claim 50 wherein,

the housing is a shielded housing to encase the first vertical and second horizontal printed circuit boards to reduce electromagnetic interference (EMI).

53. (Original) The fiber optic module of claim 50 wherein,

the base has a pair of cutouts to allow pins of the first vertical printed circuit board and pins of the second horizontal printed circuit board to extend through.

54. (Original) The fiber optic module of claim 50 wherein,

the base has a pair of openings to allow pins of the first vertical printed circuit board and pins of the second horizontal printed circuit board to extend through.

55. (Original) The fiber optic module of claim 50, wherein the fiber optic module is a fiber optic transceiver and

the first optoelectronic device is a transmitter to couple photons into a first optical fiber, and

the second optoelectronic device is a receiver to receive photons from a second optical fiber.

A2 cont

56. (Original) The fiber optic module of claim 50, wherein the fiber optic module is a fiber optic transceiver and

the first optoelectronic device is a receiver to receive photons from a first optical fiber, and

the second optoelectronic device is a transmitter to couple photons into a second optical fiber.

57. (Original) A fiber optic module comprising:

an optical block having a first opening to receive a first optoelectronic device and a second opening to receive a

second optoelectronic device, the optical block further having a first slot to receive an end of a first vertical printed circuit board and a second slot to receive an end of a second horizontal printed circuit board;

the first optoelectronic device coupled into the first opening;

the second optoelectronic device coupled into the second opening;

a base;

the first vertical printed circuit board coupled to terminals of the first optoelectronic device in parallel to a first optical axis of the first optoelectronic device, the first vertical printed circuit board coupled to the first slot of the optical block perpendicular with the base; and

A2 con't

the second horizontal printed circuit board coupled to terminals of the second optoelectronic device in parallel to a second optical axis of the second optoelectronic device, the second horizontal printed circuit board coupled to the second slot of the optical block in parallel with the base.

58. (Original) The fiber optic module of claim 57 further comprising:

a housing coupled to the base.

59. (Original) The fiber optic module of claim 58 wherein,

the housing is a shielded housing to encase the first vertical and second horizontal printed circuit boards to reduce electromagnetic interference (EMI).

60. (Original) The fiber optic module of claim 57 wherein,

the base has a pair of cutouts to allow pins of the first vertical printed circuit board and pins of the second horizontal printed circuit board to extend through.

61. (Original) The fiber optic module of claim 57 wherein,

the base has a pair of openings to allow pins of the first vertical printed circuit board and pins of the second horizontal printed circuit board to extend through.

Q2 con't

62. (Original) The fiber optic module of claim 57, wherein the fiber optic module is a fiber optic transceiver and

the first optoelectronic device is a transmitter to couple photons into a first optical fiber, and

the second optoelectronic device is a receiver to receive photons from a second optical fiber.

63. (Original) The fiber optic module of claim 57, wherein the fiber optic module is a fiber optic transceiver and

the first optoelectronic device is a receiver to receive photons from a first optical fiber, and

the second optoelectronic device is a transmitter to couple photons into a second optical fiber.

64. (Original) A fiber optic module comprising:

an optical block having a first opening to receive a first optoelectronic device and a second opening to receive a second optoelectronic device;

the first optoelectronic device coupled into the first opening;

the second optoelectronic device coupled into the second opening;

a base;

a slanted printed circuit board (PCB) coupled to terminals of the first optoelectronic device in parallel to a first optical axis of the first optoelectronic device, the slanted printed circuit board arranged at an angle to slant inward from the base; and

a vertical printed circuit board (PCB) coupled to terminals of the second optoelectronic device in parallel to a second optical axis of the second optoelectronic device, the vertical printed circuit board arranged at a perpendicular angle with the base.

65. (Original) The fiber optic module of claim 64 further comprising:

a housing coupled to the base.

66. (Original) The fiber optic module of claim 65 wherein,

the housing is a shielded housing to encase the first slanted and second vertical printed circuit boards to reduce

electromagnetic interference (EMI).

67. (Original) The fiber optic module of claim 65 wherein,

the slanted printed circuit board and the vertical printed circuit board each have a plurality of pins to couple to a host system printed circuit board.

68. (Original) The fiber optic module of claim 67 wherein,

the base has a pair of cutouts to allow the pins of the slanted printed circuit board and the pins of the vertical printed circuit board to extend through.

A2 Cont

69. (Original) The fiber optic module of claim 67 wherein,

the base has a pair of openings to allow the pins of the slanted printed circuit board and the pins of the vertical printed circuit board to extend through.

70. (Original) The fiber optic module of claim 64, wherein the fiber optic module is a fiber optic transceiver and

the first optoelectronic device is a transmitter to couple photons into a first optical fiber, and

the second optoelectronic device is a receiver to receive photons from a second optical fiber.

71. (Original) The fiber optic module of claim 64

wherein,

the slanted printed circuit board and the vertical printed circuit board each have a connector to couple to a connector of a host system printed circuit board.

72. (Original) The fiber optic module of claim 64 further comprising:

a housing having an opening at an end coupled to the base.

73. (Original) The fiber optic module of claim 72, wherein,

the slanted printed circuit board and the vertical printed circuit board each have a connector to couple to a connector of a host system printed circuit board through the opening at the end of the housing.

Q2 cont

74. (Original) The fiber optic module of claim 64 wherein,

the base includes an inner septum to separate the fiber optic module into a first side and a second side.

75. (Original) A fiber optic module comprising:

an optical block having a first opening to receive a first optoelectronic device and a second opening to receive a second optoelectronic device;

the first optoelectronic device coupled into the first opening;

the second optoelectronic device coupled into the second

opening;

a base;

a slanted printed circuit board (PCB) coupled to terminals of the first optoelectronic device in parallel to a first optical axis of the first optoelectronic device, the slanted printed circuit board arranged at an angle to slant outward from the base; and

a vertical printed circuit board (PCB) coupled to terminals of the second optoelectronic device in parallel to a second optical axis of the second optoelectronic device, the vertical printed circuit board arranged perpendicular to the base.

A2 cont

76. (Original) The fiber optic module of claim 75 further comprising:

a housing coupled to the base.

77. (Original) The fiber optic module of claim 76 wherein,

the housing is a shielded housing to encase the slanted and vertical printed circuit boards to reduce electromagnetic interference (EMI).

78. (Original) The fiber optic module of claim 75 wherein,

the slanted printed circuit board and the vertical printed circuit board each have a pin header with a plurality of pins to couple to a host system printed circuit board.

79. (Original) The fiber optic module of claim 75 wherein,

the slanted printed circuit board and the vertical printed circuit board each have a plurality of pins to couple to a host system printed circuit board.

80. (Original) The fiber optic module of claim 79 wherein,

the base has a pair of cutouts to allow the pins of the slanted printed circuit board and the pins of the vertical printed circuit board to extend through.

cont'd

81. (Original) The fiber optic module of claim 79 wherein,

the base has a pair of openings to allow the pins of the slanted printed circuit board and the pins of the vertical printed circuit board to extend through.

82. (Original) The fiber optic module of claim 75, wherein the fiber optic module is a fiber optic transceiver and

the first optoelectronic device is a transmitter to couple photons into a first optical fiber, and

the second optoelectronic device is a receiver to receive photons from a second optical fiber.

83. (Original) The fiber optic module of claim 75 wherein,

the slanted printed circuit board and the vertical printed circuit board each have a connector to couple to a connector of a host system printed circuit board.

84. (Original) The fiber optic module of claim 75 further comprising:

a housing having an opening at an end coupled to the base.

85. (Original) The fiber optic module of claim 84, wherein,

the slanted printed circuit board and the vertical printed circuit board each have a connector to couple to a connector of a host system printed circuit board through the opening at the end of the housing.

86. (Original) The fiber optic module of claim 75 wherein,

the base includes an inner septum to separate the fiber optic module into a first side and a second side.

87. (Original) The fiber optic module of claim 75 further comprising:

a housing having an inner septum to separate the fiber optic module into a first side and a second side, the housing coupled to the base.

88. (Original) The fiber optic module of claim 87

wherein,

the housing is a conductive shielded housing to encase the slanted and vertical printed circuit boards to reduce electromagnetic interference (EMI) and the septum is a conductive shield to reduce crosstalk electromagnetic radiation.

89. (Currently Amended) A fiber optic module for coupling photons between optoelectronic devices and optical fibers, the fiber optic module comprising:

a horizontal printed circuit board (PCB) arranged horizontally having a first plurality of pins and a second plurality of pins to couple to a host printed circuit board;

a first vertical printed circuit board (PCB) coupled to the horizontal printed circuit board arranged at a perpendicular angle and parallel to a first optical axis of a first optoelectronic device, the first optoelectronic device having terminals coupled to the first vertical printed circuit board; [[.]]

a second vertical printed circuit board (PCB) coupled to the horizontal printed circuit board arranged at a perpendicular angle and parallel to a second optical axis of a second optoelectronic device, the second optoelectronic device having terminals coupled to the second vertical printed circuit board; and

a housing coupled to the horizontal printed circuit board.

90. (Original) The fiber optic module of claim 89 wherein,

the housing is a shielded housing to encase the horizontal and the first and the second vertical printed circuit boards to reduce electromagnetic interference (EMI).

91. (Currently Amended) A fiber optic module for coupling photons between optoelectronic devices and optical fibers, the fiber optic module comprising:

a base having a first opening and a second opening;

a horizontal printed circuit board (PCB) arranged horizontally having a first plurality of pins protruding through the first opening and a second plurality of pins protruding through the second opening to couple to a host printed circuit board;

a first vertical printed circuit board (PCB) coupled to the horizontal printed circuit board arranged at a perpendicular angle and parallel to a first optical axis of a first optoelectronic device, the first optoelectronic device having terminals coupled to the first vertical printed circuit board; [[.]]

a second vertical printed circuit board (PCB) coupled to the horizontal printed circuit board arranged at a perpendicular angle and parallel to a second optical axis of a second optoelectronic device, the second optoelectronic device having terminals coupled to the second vertical printed circuit board; and

a housing coupled to the horizontal printed circuit board.

92. (Original) The fiber optic module of claim 91 wherein,

the housing is a shielded housing to encase the horizontal and the first and the second vertical printed circuit boards to reduce electromagnetic interference (EMI).

93. (Currently Amended) A fiber optic module for coupling photons between optoelectronic devices and optical fibers, the fiber optic module comprising:

a horizontal printed circuit board (PCB) arranged horizontally having a first plurality of pins and a second plurality of pins to couple to a host printed circuit board and a first optoelectronic device having terminals coupled to the horizontal printed circuit board; [[.]]

a vertical printed circuit board (PCB) coupled to the horizontal printed circuit board arranged at a perpendicular angle and parallel to a second optical axis of a second optoelectronic device, the second optoelectronic device having terminals coupled to the vertical printed circuit board; and

a housing coupled to the horizontal printed circuit board.

94. (Original) The fiber optic module of claim 93 wherein,

the housing is a shielded housing to encase the horizontal and the vertical printed circuit boards to reduce electromagnetic interference (EMI).

95. (Original) The fiber optic module of claim 93 wherein,

the horizontal printed circuit board is arranged parallel

to a first optical axis of the first optoelectronic device.

96. (Currently Amended) A fiber optic module for coupling photons between optoelectronic devices and optical fibers, the fiber optic module comprising:

a base having a first opening and a second opening;

a horizontal printed circuit board (PCB) arranged horizontally having a first plurality of pins protruding through the first opening and a second plurality of pins protruding through the second opening to couple to a host printed circuit board and a first optoelectronic device having terminals coupled to the horizontal printed circuit board; [[.]]

a vertical printed circuit board (PCB) coupled to the horizontal printed circuit board arranged at a perpendicular angle and parallel to a second optical axis of a second optoelectronic device, the second optoelectronic device having terminals coupled to the vertical printed circuit board; and

a housing coupled to the base.

97. (Original) The fiber optic module of claim 96 wherein,

the housing is a shielded housing to encase the horizontal and the vertical printed circuit boards to reduce electromagnetic interference (EMI).

98. (Original) The fiber optic module of claim 96

a2 cont.

wherein,

the horizontal printed circuit board is arranged parallel to a first optical axis of the first optoelectronic device.